PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

nder the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Sheet

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known					
Application Number	10/658,039				
Filing Date	September 9, 2003				
First Named Inventor	Patrick Martin				
Art Unit	1756				
Examiner Name	Stephen D. Rosasco				
Attorney Docket Number	67493/63	$\overline{}$			

Everines	Cita	D		DOCUMENTS	
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (# known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevan Figures Appear
M		^{US-} 6,743,553	06-2004	Shiota et al.	
1		^{US-} 5,547,787	08-1996	Ito et al.	
at t		^{US-} 5,482,799	01-1996	Isao et al.	
POR		^{US-} 5,477,058	12-1995	Sato	
		US			
		US-			
		US			
		US-			
		US-			·
·		US-			
		US-			
		US-			
		UŞ-			
		US-		· · · · · · · · · · · · · · · · · · ·	
		US-			
7.		US-			
-		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T ⁶
4		JP-2001-174973	06-2001			
AL		JP-8-76353	03-1996			
AQ		JP 7-104457	04-1995			
AL	·	JP-2-39153	02-1990			

Examiner			Date	
Signature	1			
Signature	73	100	Considered	10000

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

ork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known Substitute for form 1449/PTO **Application Number** 10/658,039 Filing Date September 9, 2004 INFORMATION DISCLOSURE First Named Inventor Patrick M. Martin STATEMENT BY APPLICANT **Art Unit** 1756 (Use as many sheets as necessary) **Examiner Name** TBA 67493/63 **Attorney Docket Number** Sheet

			U. S. PATEN	DOCUMENTS	
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (4 known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
PR		^{US-} 5,439,763	08-08-95 ⁻	Shimase et al.	
		^{.US-} 5,935,740	08-10-99	Pierrat	
		^{US-} 5,981,110	11-09-99	George et al.	
		^{US-} 6,120,942	09-19-00	Reinberg	
		^{US-} 6,174,771	01-16-01	Leu	
		US- 6,190,836	02-20-01	Grenon et al.	
		^{US-} 6,221,542	04-24-01	Reinberg	· · · · · · · · · · · · · · · · · · ·
		^{US-} 6,261,963	07-17-01	Zhao et al.	
		^{US-} 6,368,967	04-09-02	Besser	
		^{US-} 6,429,033	08-06-02	Gee et al.	
		^{US-} 6,515,353	02-04-03	Shroff et al.	
		^{US-} 6,562,522	05-13-03	Yan	
		^{US-} 6,610,594	08-26-03	Apelgren et al.	
		us- 6,699,625	03-02-04	Lee et al.	
		us- 6,703,252	03-09-04	Chen et al.	
		us- 6,730,445	05-04-04	Angelopoulos et al.	
		^{US-} 2001/0035547	11-01-01	Isogai	
4		^{US-} 2001/0051420	12-13-01	Besser et al.	
ンやヤ		^{US-} 2002/0111030	08-15-02	Batra et al.	

		FORE	IGN PATENT DOCU	MENTS		
	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant or olded bocoment	Or Relevant Figures Appear	ד
				·		L
						<u> </u>
	<u> </u>					Ļ
			1		1	

Examiner	Date	
Signature	1 - 4, 1	776
Signature	Considered	1-4-8-06

"EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 2

Application Number 10/658,039

Filing Date September 9, 2004

First Named Inventor Patrick M. Martin

Art Unit 1756

Examiner Name TBA

Attorney Docket Number 67493/63

Complete if Known

			U. S. PATEN	DOCUMENTS	
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (4 known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
A		^{US-} 2002/0123217	09-05-02	Subramanian et al.	
		^{US-} 2002/0142585	10-03-02	Mandal	
		us- 2002/0160520	10-31-02	Orloff et al.	
		^{US-} 2002/0173162	11-21-02	Liu et al.	
		^{US-} 2002/0192944	12-19-02	Sonderman et al.	
		^{US-} 2003/0118920	06-26-03	Johnstone et al.	
		^{US-} 2003/0211728	11-13-03	Mandal.	
		US- 2003/0228047	12-11-03	Chou et al.	
		^{US-} 2003/0228529	12-11-03	Dieu et al.	
		^{US-} 2004/0058139	03-25-04	Dubin et al.	
		. ^{US-} 2004/0094760	05-20-04	Taylor et al.	
		^{US-} 2004/0126057	07-01-04	Yoo	
7560		^{US-} 2004/0137335	07-15-04	Cummings	
		US-			
		US-		·	
		US-			
		US-	·		
		US-			
		US-			

	FOREIGN PATENT DOCUMENTS							
Examiner Initiats*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages			
		Country Code ³ "Number ⁴ "Kind Code ³ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	Ţ ⁶		
-								
		·				-		
						<u> </u>		

Examiner		Date	
Signature		1 1	7-20-00
	V CALLUDA	Considered	1-1-8-05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

	U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
	U.S. Patent and Tragemark Office, U.S. DEPARTMENT OF COMMERCE
Index the Panaguark Reduction Ad of 1995, as named an equired to respond	tan application of information values it contains a valid OMR control number

Substitute for form 1449/PTO		Complete if Known			
77701 10				Application Number	10/658,039
INF	ORMATION	DIS	CLOSURE	Filing Date	September 9, 2003
STA	STATEMENT BY APPLICANT			First Named Inventor	Patrick M. Martin
				Art Unit	1756
(Use as many sheets as necessary)		Examiner Name	TBA		
Sheet	3	of	3	Attorney Docket Number	67493/63

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
DR		MATTHEW LASSITER, et al., "157nm Binary and Embedded Attenuated PSM Films", 157 nm Symposium, Yokohama (2003)	
12		MATTHEW LASSITER, et al., "Improved Phase Uniformity Control Using a New AAPSM Etch Stop Layer Technique", SPIE Vol. 5256, 23rd Annual BACUS Symposium on Photomask Technology (2003)	
12		MICHAEL CANGEMI, et al., "Implementation of a Transparent Etch Stop Layer for an Improved Alternating PSM", VDE Vol. 43, 20th European Conference on Mask Technology for Integrated Circuits and Microcomponents 2004 (2004)	
	•		

Examiner		Date	7225
Signature	pasco	Considered	1-18-05

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08A (08-03)

Approved for use through 07/31/2008. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

er the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Sheet

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known			
Application Number	10/658,039		
Filing Date	September 9, 2003		
First Named Inventor	Patrick M. Martin		
Art Unit	1756		
Examiner Name	TBA		
Attorney Docket Number	67493/63		

-			U. S. PATEN	T DOCUMENTS	
Examiner Initials*	Cite No.	Document Number Number-Kind Code ^{2 (F known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		^{US-} 6,780,548	08-24-2004	Kalk	
20		^{US-} 5,935,733	08-10-1999	Scott et al.	
DR		US- 5,472,811	12-05-1995	Vasudev et al.	
		US-			
		US-			
		US-			·
		US-			
		US-			
		US-			
-		US-			
		U\$-			
		US-			
		US-			
,		US-			
		US-			
		US-	<u> </u>		
		US-			· · · · · · · · · · · · · · · · · · ·
- ~		US-			
		US-			

		FORE	IGN PATENT DOCU	MENTS		
Examiner Inilials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	
		Country Code ³ "Number ⁴ "Kind Code ³ (If known)				۲
		· · · · · · · · · · · · · · · · · · ·		 		_
					•	L
*.						╄
						⊭

Examiner Signature	Coaseo	Date Considered	7-28-05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The Information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.